

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: Steven Wilson <randyw@crl.com>
Subject: "Frank C. Jones Radio Handbook, 1937 edition" Wanted
Message-ID: <Pine.SUN.3.91.950715164422.9971A-100000@crl13.crl.com>

Price and condition. Hints on where to obtain a copy. etc.
stan ak0b
e-mail via randyw@crl.com

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: Steven Wilson <randyw@crl.com>
Subject: Re: "Hang" agc
Message-ID: <Pine.SUN.3.91.950715084846.10023B-100000@crl12.crl.com>

Hang agc is a dual time quick discharge circuit. I do not have
copies of the orginial articles, but here is where to look:

- 1) Byron Goodman, "Better AVC for SSB and CW, QST January 1957"
- 2) G.W.Luick, "Improved AVC for SSB and CW, QST October 1957"

The AGC capacitor is charged up rapidly, At the same time a second
diode charges up a second time constant with is used to bias off
a discharge tube. The AGC voltage stays constant until the discharge
tube conducts and the AGC control line is discharged very quickly.

I am not sure why it is called Hang since you want it constant for short
period and then quick dis charge. Should be an easy circuit to design
with some of the modern FETS as the discharge path.

Sounds like a worth while addition to the R-390A AGC line.

de stan ak0b

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: StuSanders@aol.com
Subject: Re: #1(2) BOATANCHORS digest 91
Message-ID: <950716091114_115908603@aol.com>

I used to work for Delco (Kokomo, In.) designing tuners for their car radios.
The best units are called "CDMs" and are found as options on post-1990
vehicles. The AM sections use dual conversion, and have a 10 KHz XTAL
filter at 10.7 MHz as well as the 4-pole 450 KHz ceramic. The front end is
good, too, and is balanced all the way round. Avoid the cheaper base radio

("2000" series), since it is an old design w/o much IF selectivity. If you really want the best, try the European car stuff, esp. Becker and Blaupunkt. If any- one needs info on GM car radios I might be able to help. There is a vacuum tube in these (the display), so I'm keeping in the net spirit. 73's

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: David Barts <davidb@scn.org>
Subject: 7868 tube woes
Message-ID: <Pine.SUN.3.91.950715104216.14782A-100000@scn>

About a month ago, I was given a Bogen CHB-35 tube amp, along with a box containing an assortment of tubes, including eight 7868 power pentodes. The latter I regarded as extreme good fortune, as the CHB-35 uses a pair of 7868s, and it is practically impossible to find good, domestic made 7868s any more.

Last weekend was cloudy and rainy, so I spent most of Sunday cleaning up the old Bogen and getting it working. Together with an old Monarch FM tuner, it makes a nice FM receiver. Only trouble is the occasional pops and snaps in the output.

Looking inside the case of the Bogen revealed that both 7868s have the telltale faint bluish glow that says "gas". When there is a "pop!" in the output, I see a bright blue flash from one of the tubes. No problem, thought I: just plug in one of those new-in-the-box Sylvania tubes. I felt so smug knowing I had my own personal little stash of this hard-to-find tube.

Bzzzzt. Wrong. I've tried four of the Sylvania's and all four have been *terrible*. I'm talking a *bright* blue gas discharge, visible even in a well-lit room, and the audio is pathetically weak and distorted. My guess is that the remaining four are equally bad -- apparently the previous owner stuck the amp in the storage shed in disgust after the eighth Sylvania replacement failed to work as well as the tired old RCA tubes he was trying to replace.

Apparently Sylvania had real troubles manufacturing this tube properly (yes, all of these are domestic manufacture -- stamped "USA" right on the tube).

So I guess I'm now in the market for a pair of domestically-made RCA 7868s :-(. Anyone have some they'd be willing to part with for a fair price? Antique Electronic Supply has the ominous word "CALL" next to that tube in their price list.

David W. Barts (davidb@scn.org)
REAL radios glow in the dark.

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: bill@texan.frco.com (William Hawkins)
Subject: Re: 7868 tube woes
Message-ID: <9507160438.AA14489@texan.frco.com>

The blue glow does not necessarily mean gas. If the glass seems to glow, that's just the electron beam. If the glow brightens on a pop, that may be a reaction, not a cause. Look for other causes of the pop.

But if the tube innards glow like a thyratron, you have a gas problem.

Bill Hawkins bill@bvc.frco.com

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: jproc@worldlinx.com
Subject: AN Nomenclature System
Message-ID: <Chameleon.4.01.2.950714205921.jproc@>

Dear BA's

Thank you for the replies to my original question. Here is the composite response:

The AN nomenclature system was introduced during WW2 when the United States Air Force was not an independent organization. Instead it was known as the US Army Air force. Hence the AN stood for Army Navy. The USAF became a separate organization in 1948.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com
Radio Restoration Volunteer
HMCS Haida Toronto, Ontario

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: "Hal R. Waite" <halwaite@netcom.com>
Subject: Re: Andy buys a Vibroplex

Message-ID: <Pine.SUN.3.91.950715092012.5933A-1000000@netcom23>

This posting mentions an old QST article on adjusting a Vibroplex bug. Perhaps Andy or someone else could post the year and month of the article for reference.

Thanks. Hal K4GFI/7 halwaite@netcom.com

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: Andy Wallace <wallace@mc.com>
Subject: Re: Andy buys a Vibroplex
Message-ID: <9507152057.AA08792@kali>

The article in question is called "Semi-Automatic Key Adjustment" and is by Brian Murphy, VE2AGO. Vibroplex's copy doesn't give an issue date, but perhaps someone could search based on what is here. It's only 4 pages and has one drawing of a Vibroplex style bug. I wouldn't be surprised if you could get a copy from Vibroplex for a pittance. (Vibroplex 334-478-8873 is the Administrative number, which is the place listed on the parts order form... Mitch Mitchell is on the BA list, too.)

--Andy

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: Jodaanve@aol.com
Subject: BA Sighting UPDATE
Message-ID: <950715171022_33453474@aol.com>

Hi gang,
Some nice BA equipment was saved from certain landfill fate today. Terry will be posting a list of things he hauled away shortly. The family has decided not to have anyone over on Sunday, but unofficial dumpster diving is allowed. There will be people around from 8:30 until 4:30 on Monday. I will get a number to call for appointments later in the week.

Dave WB9EGZ

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: paul Veltman <veltman@netcom.com>
Subject: Re: BA Sighting UPDATE
Message-ID: <Pine.3.89.9507152146.A6013-0100000@netcom6>

> Hi gang,

> Some nice BA equipment was saved from certain landfill fate today. Terry will
> be posting a list of things he hauled away shortly. The family has decided

I think we all ought to take up a collection and get Terry a WW II duce
and a half so he can save even more stuff from landfills. :-)

Paul WA6OKQ

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: don merz <71333.144@compuserve.com>
Subject: Coils & misc FS
Message-ID: <950715192827_71333.144_DHQ48-2@CompuServe.COM>

For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

WANTED: TM-11-85- (SCR-197) manual. Copy okay.
1P5GT tubes (need 4 or so)
PE-110 power supply for the SCR-543 (BC-669) radio set

TRADE: AN-08-5Q-195 "Handbook of Maintenance Instructions For Model AN/
ARC-5 Aircraft Radio Equipment Volume II--VHF Components." For
Volume I of same or other interesting original manual.

FOR SALE

QST September, 1944, Signal Corps Special Issue, very good: \$6
QST December, 1944, binding edge poor: \$2
CQ Magazine 7/53, 12/53, 8/55 & 3/56: 50 cents each

Barker & Williamson Coils (In original boxes, used but in nice
condition unless noted):

3016 miniductor stock, 3 1-inch pieces: \$4
20B coil modified to 20BCL (with link): \$3
80BCL coil with B&W coil catalog: \$9
10TL coil: \$7
TVL Coil Base (socket), no box: \$5
TVH Coil Base (socket), no box: \$5
20TVH Coil, just fair condition: \$5
20TVL Coil with swinging link arm and link coil: \$9
20TVH Coil with swinging link arm and link coil: \$9

Bud Plug-In Coils, Brand New In Original Boxes (These are 5 pin base

style with ceramic bases. They are all labeled "Oscillator/Buffer Coil With Center Link"). Taking offers on the whole set.

OCL-160 (160 meters, 50 watts)	OLS-40 (40 meters, 75 watts)
OLS-80 (80 meters, 75 Watts)	OLS-20 (20 meters, 75 watts)

Command set spline tuning knob(bakelite knob, metal spline): \$5

Zenith S-26 Stereo TV Adapter designed for sets with Zenith Redi-Plug socket but a simple connector change and a bit of resourcefulness ought to get you stereo from just about any modern TV. New-In-Box with manual, four to sell: \$10 each.

Zenith S-12 Remote Antenna Switch TV Accessory. Permits up to 4 RF inputs to be switched from the "ANT" button on your Zenith infra-red remote. For Zenith TVs with "ANT SWITCH" socket but maybe adaptable to your needs. New-In-Box with manual. Just one available. \$10

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: Fire Bottle archive handler <firebot1@jackatak.theporch.com>
Subject: Drake sideband adapter?
Message-ID: <9507161036.aa16479@jackatak.theporch.com>

Andy and the gang-

I couldn't go to the Boneyard in Hot'lanta yesterday (a customer's unix server went belly up Friday evening and I spent 30 of the past hours getting it back up and running) so I felt like a walk through the past and did some research for you...

> A fellow BA member mentioned seeing an ad for a Drake sideband
> receiving or transmitting adapter in some ham magazine. It sounds
> like it might have looked like the tall-and-narrow 1958 1-A
> receiver, and may have been around that timeframe.
I can not answer for what the other person was describing, but I went, based upon your time/date to the ARRL Handbook for 1959 and found an ad for the Drake 1-A, available from "World Radio Laboratories" of Council Bluffs, Iowa, on page 75.

The 1-A was offered at only \$29.95 down, and \$24.00 per month or \$299.00 cash...

The ad copy beside a photo reads:

"R. L. Drake SSB Receiver 1-A

High stability VFO has warm up drift less than 300 cps after 15 minutes operation. Xtal-controlled hi-frequency conversion establishes

same stability for all bands. Selectivity: 2.5kc at 6db, 8.1 at 60db. Sideband AVC. Product detector for SSB, CW & AM by exalted carrier method. Seven 600kc tuning ranges cover 5 ham bands. Sensitivity: less than 1uv for 20db s/n. Antenna attenuator: 30db. RF input to match 50-75 ohm coax. Built-in speaker for portable use. 100kc Xtal. calibrator incl. 12 tubes."

> Can anyone verify this, or provide me with a copy of an ad?
Dunno if that counts as verification, and given time, I could probably take the Handbook to the office and make a copy for you, but the ad is not but 3" wide by 1 1/2" tall and is part of a page of Globe and Hy-Gain gear...

I also went to my 1960 Van Sickle "Electronic Buyers Guide" and found no 1-a, but a nice ad for the 2-A... so, I guess the 1-A was around for only 1958-59 which explains the scarcity.

A final aside: The ARRL Handbook, then called "The Radio Amateur's Handbook" sold new for \$3.50 and featured a 32 page section on tubes and and semiconductors... the "transistor" data occupied about 1 1/2 pages.

QST was \$4.00 per year. "A Course in Radio Fundamentals" and "Hints and Kinks" sold for \$1.00, "How to Become a Radio Amateur" was \$0.50, as was the "Radio Amateur's License Manual" and "Learning the Radiotelegraph Code." "Single Sideband and the Radio Amateur" was \$1.50, "The ARRL Antenna Book" was \$2.00, and the "Mobile Manual For Radio Amateurs" was \$2.50.

Customer just called and crashed again... Seeya'll

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

firebotl@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995

From: don merz <71333.144@compuserve.com>

Subject: Help Wanted

Message-ID: <950716035335_71333.144_DHQ31-4@CompuServe.COM>

Questions:

Does anyone have or can anyone suggest a source for a relay for the Kenwood 599 transmitter. It's an Omron MH4P relay. Any help appreciated.

Next, what's a very excellent SP-600 JX 37 worth w/o cabinet?

Thanks in advance, Don.

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: SP600@aol.com
Subject: Re: Help Wanted
Message-ID: <950716080454_33747006@aol.com>

OMRON ELECTRONICS
708-843-7900
FAX 708-843-7787
1 E. COMMERCE DR
SCHAUMBURG, IL. 60173

OMRON MFG OF AMERICA
708-513-0400
FAX 708-513-1027
3705 OHIO AVE
SAINT CHARLES, IL. 60174

HOPE THIS HELPS

CHARLIE N9SOR

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: Grant Youngman <gyoungma@gtetel.com>
Subject: RE: modern xcvr to help neutralize ba?
Message-ID: <Chameleon.4.01.2.950715113219.gyoungma@gyoungma.gtetel.com>

>And of course its good in receive for calibrating VFOs and as
>a simple no-power-applied tool to neutralize amplifier stages.
>----- End Included Message -----
>
> How does one neutralize a BA transmitter without powering the
>thing on?
>
>--Andy

I picked this up from someone ages ago and also saw it written up in a QST hints and kinks a few years back.

Remove power from the amp (no filaments, no nothing).

Connect the antenna from your receiver/transceiver to the input (grid circuit) of the amp stage. Connect the BA transmitter to the antenna (short the T/R relay contacts to make the connection if necessary -- non-destructively, of course :-)).

Tune the receiver to a steady signal at frequency where you want to neutralize, and set the amp to that band. Tune the amplifier plate circuit for maximum received signal. Adjust the neutralizing cap for a null or minimum signal.

That's it. I've used this method a couple of times where it would have been a hassle to disconnect plate and screen power and go the more traditional route with an RF voltmeter, etc. It does appear to work.

Grant/NQ5T

gyoungma@gtetel.com

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995

From: "Ray L. Mote" <rmote@rain.org>

Subject: Re: Navy Model REH Receiver

Message-ID: <Pine.SUN.3.91.950715163635.22982A-100000@coyote.rain.org>

Your REH was made by Belmont Radio Corporation, and the nameplate should say "CDL-46271". (CDL=Belmont)

My listing shows more than 3 SW bands:

- 0.54 - 1.6 Mc
- 5.96 - 6.19 Mc
- 9.1 - 10.0 Mc
- 11.46 - 12.16 Mc
- 14.95 - 15.46 Mc

This nomenclature was granted by the Navy on 1 March 1945, and the Navy spec was 16R30 (RE). Information above was current as of April 1945.

Unfortunately, Fair Radio does not have the manual for this one (unless they picked one up in the last 2-3 years). They have quite a few in the RAx, RBx series, very few in the RCx, RDx, and none in the REx series. If it's a rehash of a commercial design in MIL-SPEC cabinet, etc., you might have a chance of finding it in an old SAMS PhotoFact. I noted that

another source called it a "shore" receiver, rather than shipboard.

Good luck; looks like you have a fairly rare bird.

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: Jodaanve@aol.com
Subject: Need manual R100/URR
Message-ID: <950715170704_33453519@aol.com>

Hi gang,

Does anyone have the alignment instructions for this rcvr. A schematic would also be helpful. Copies OK will reimburse for costs.

Thank you

Dave

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: Andy Wallace <wallace@mc.com>
Subject: Signal Electric J-38 again
Message-ID: <9507152051.AA08781@kali>

I have a Signal Electric straight key, too. My dad gave it to me when I first got my ticket. I don't know the age of the thing...

It was originally on a bevelled black bakelite base. The base had some holes in odd places underneath, so I doubt it was original. I mounted it on a thick piece of black Plexiglas and added some big rubber feet.

The key itself is marked SIGNAL ELECTRIC MFG. CO.
MENOMINEE, MICH.

on both the rear of the base and on the shorting lever. The shorting lever knob and main knob are both molded plastic. The main knob is a Navy style knob. Most of the key is brass, except for the thin bar leading from the bottom contact, and the actual key pump arm, which look to be nickel plated.

The above provided for those who collect S.E. trivia!

--Andy

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995

From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: Swan 'Cygnet' Info?
Message-ID: <Pine.SOL.3.91.950715144136.799C-100000@clark.net>

On Sat, 15 Jul 1995, Jason Gilroy wrote:

> I'm new to the world of BA's, and today picked up a Swan Cygnet Model
> 270. If anyone has any info about this radio, I'd appreciate it if you
> could forward it to me or the list. The radio is in superb condition.

I had one at one time and regretted letting it go, but a YV visiting the
US obviously knew how good a rig it was and offered me more than I
realized it was worth. You have yourself a fine little BA!!!

Anyway, I can only recall how easy it was to tune and use with that
tuning eye and how, for its day, how portable it was. If you don't have
a manual, I suggest you call W7FG Manuals (800-807-6146) and order one
from them. They're \$16.

73,
Tony
K4KY0

From boatanchors@theporch.com Sun Jul 16 11:47:00 1995
From: agrier@reed.edu (Aaron J. Grier)
Subject: Re: VALUE OF OLD EQUIPMENT
Message-ID: <m0sXLdL-0004pTC@romulus.reed.edu>

In article <3u0j9f\$2gm@sol.asl.hitachi.com> you write:
> Can anybody out there tell me what an old, but fully functional
> Viking Challenger cw/am transmitter (with VCO) and lafayette HA800
> receiver are worth? Are there any companies out there that buy retired
> HAM radio equipment.
>
> Any suggestions, please E-mail me back at

I don't know how much they're worth, but I'm sure some people on the
boatanchors mailing list would know. Send email to listproc@theporch.com
with "subscribe boatanchors" in the body. (I'm pretty sure about that.)
Heck... there's quite a few people I know on the list who are on the
lookout for Viking rigs. I'll send a copy of this message to the list as
well.

--

```
The Finn / VLA | "Feel the love: have a carrot!" -- Groovy Dave
Aaron J. Grier | DE CB EE 65 0D EE 3A 0C 1E D7 F5 4D 9E 02 3C C4
agrier@reed.edu | The above line contains a bunch of letters & numbers.
```